



VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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AICTE Approved; UGC Autonomous; JNTUH Affiliated; UGC "College with Potential for Excellence"; NAAC "A++" Grade
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Department of Electronics and Instrumentation Engineering

Journal Publications

1. **Harikrishna Mulam**, Venkata Rambabu Chikati, Bhargav Salugu 'Electrocardiogram Based Arrhythmia Classification Using Long Short-Term Memory with Luong Attention Mechanism' International Journal of Intelligent Engineering and Systems, Vol.17, Issue No.3, 696-705, May 2024, ISSN:2185-3118(SCOPUS)
2. D. Nagadevi,,K. Suman,**P Sampurna Lakshmi** 'An enhanced skin lesion detection and classification model using hybrid convolution-based ensemble learning model' Research on Biomedical Engineering, Volume 40, Issue 01, April 2024, ISSN 2446-4732 (SCOPUS)
3. A. Geetha Devi, T.V.K.P. Prasad, **K.Vidya Sagar**, M. Prema Kumar, Bala Prasanthi Pavuluri, Lakshmi Ramani Burra, Veera Vasanth Rao.B. 'Crop Yielding Rate Prediction and Analysis using Deep Machine Learning Algorithms' Journal of Theoretical and Applied Information Technology, Volume 102, Issue 07, pp. 3154-3164, April 2024. ISSN 1992-8645 (SCOPUS)
4. **Senthilkumar Selvaraj**, B. Dhanalakshmi, Shanmuga Prabha P, Amit Verma, Elangovan Muniyandy, Sridhar.S 'An IoT Intelligent Approach for Safety and Efficiency of Robotic Medicine Delivery in Hospitals' Journal of Electrical Systems, Volume 20, Issue 2s, pp. 820-827, March 2024, ISSN 1112-5209 (SCOPUS)
5. **K. Vidya Sagar**., Ch.Suma , Surya Prasada Rao Borra, M.Sumalatha, Jammalamadugu Ravindranadh, Lakshmi Ramani Burra 'Chronic Hepatitis-C detection interpretation using machine learning algorithm and with clinical finding' Journal of Theoretical and Applied Information Technology, Vol.102. Issue No 5, pp.2050-2058, March 2024, ISSN 1992-8645 (SCOPUS)
6. **Jyothirmai Joshi**, Malini Mudigonda, Raghava Morusupalli 'Retinal disease prediction using leaky rectified linear unit based gated recurrent unit model' Journal of Theoretical and Applied Information Technology. Vol.102. Issue No 4, pp.1341-1353, Feb 2024, ISSN 1992-8645 (SCOPUS)
7. Surya Prasada Rao Borra, A. Geetha Devi, **K. Vidya Sagar**, Sumalatha Madugula, Morsa Chaitana, Vutukuri Sarvani Duti Rekha 'Novel design of volumetric antenna for wideband applications' Journal of Theoretical and Applied Information Technology, Vol.102. Issue No 3, pp.1250-1259, Feb 2024, ISSN 1992-8645(SCOPUS)
8. **K.Vidya Sagar**, Surya Prasada Rao Borra, A. Geetha Devi, M. Raj Kumar Naik, Lakshmi Ramani Burra, Veera Vasantha Rao Battula, Tata Balaji 'Saline fluid flow supervision in intensive care Unit using precision Algorithm' Journal of Theoretical and Applied Information Technology, Vol.101. No 23, pp.7769-7775, December 2023, ISSN 1992-8645 (SCOPUS)
9. Surya Prakash Guttula, Sanjeev Kumar Gupta, Laxmi Singh, **K Vidya Sagar** 'Prediction of lung disease severity by applying machine and deep learning techniques' Journal of Theoretical and Applied Information Technology, Vol. 101. Issue No. 24, pp.8072-8079, December 2023, ISSN 1992-8645(SCOPUS)
10. **Kamireddy Vijay Chandra**, Kala Praveen Bagadi, Visalakshi Annepu, K. Sudha Rani, and Poornaiah Billa 'Specular Corneal Endothelium Dystrophic Image Analysis with Artificial Intelligent Convolution Filter' International Journal of performability Engineering Vol. 19, Issue no. 12, pp. 807-816, December 2023, ISSN 0973-1318 (SCOPUS)
11. **Kamireddy Vijay Chandra**, Kala Praveen Bagadi, Kalapala Vidya Sagar, R. Manjula Sri, and K. Sudha Rani 'Deep Learning-Powered Corneal Endothelium Image Segmentation with Attention U-Net'

- International Journal of performability Engineering, Vol. 19, Issue no. 11, pp. 807-816, November 2023, ISSN 0973-1318 (SCOPUS)
12. **Dasari, S.**, Poonguzhali, B., Rayudu M 'Prediction Of Diabetic Retinopathy Using Weighted Fusion Deep Learning Model, Journal of Advanced Zoology, Vol.44, Issue 3, pp. 392-404, October 2023, ISSN 0253-7214 (SCOPUS)
 13. Chukkaluru Ravi Shankar Reddy, **Padavala Venkata Gopi Kumar**, Radhakrishnan Manikandan, Kuruva Bhavana ' A high speed and power efficient multiplier based on counter-based stacking' Indonesian Journal of Electrical Engineering and Computer Science, Vol. 32, No. 1, October 2023, pp. 98~106, October 2023, ISSN 2502-4752(SCOPUS)
 14. Venkata krishna Odugu, **Anita Kulkarni**, Shaik Hasane Ahammad, Md. Amzad Hossain*, Ramachandran Thandaiah Prabu*, B. Omkar Lakshmi Jagan and Ayman Zain Hemadan 'Comparative study for performance efficiency of conventional optical transmitter with spatial optical transmitter through CWDM fibre system' Journal of Optical Communications, Volume 44, Issue 03, September, 2023, ISSN 2191-6322 (SCOPUS)
 15. **Jyothirmai Joshi**, Malini Mudigonda, Raghava Morusupalli 'An Efficient Tournament Based Levy Flight Multiverse Optimization for Feature Selection Using Optical Coherence Tomography' International Journal of Intelligent Engineering and Systems, Vol.16, Issue No.6, pp.298-311, Aug 2023, ISSN 2185-3118(SCOPUS)
 16. Geetha Devi, Surya Prasada Rao Borra, D. Hari Krishna, M. Raj Kumar Naik, **K. Vidya Sagar**, Lakshmi Ramani Burra 'Implementing resnet-50 transfer learning model for diagnosing oct images for detecting and classifying DME abnormalities' Journal of Theoretical and Applied Information Technology, Vol.101. Issue No 15, pp.6024-6042, August 2023, ISSN 1992-8645,(SCOPUS).
 17. Dr. Veera Ankalu. Vuyyuru, **G Vamsi Krishna**, Dr.S.Suma Christal Mary, Dr.S.Kayalvili, Abraheem Mohammed Sulayman Alsubayhay 'A Transformer-CNN Hybrid Model for Cognitive Behavioural Therapy in Psychological Assessment and Intervention for Enhanced Diagnostic Accuracy and Treatment Efficiency' International Journal of Advanced Computer Science and Applications, Vol. 14, No. 7, pp.595-602, July 2023, ISBN 2156-5570 (ESCI)
 18. Sumalatha, **K Sudha Rani**, Ch. Jayalakshmi. 'Dynamic modelling of Boiler drum using nonlinear system identification approach' Journal of Measurement: Sensors, Vol.28, Issue 09, pp. 1-, July 2023, ISSN 2665-9174(SCOPUS)
 19. Sagar Mekala, Mallareddy A, Dr. D. Baswaraj, **Jyothirmai Joshi**, Raghava M 'EASND: Energy Adaptive Secure Neighbour Discovery Scheme for Wireless Sensor Networks' International Journal on Recent and Innovation Trends in Computing and Communication, Volume: 11 Issue: 5s, pp.446-458, May 2023, ISSN 2321-8169 (SCOPUS)
 20. **Bharati Sagi**, Thyagarajan Thangavelu 'Composition and Relative Volatility Estimation in Ethanol-Water Distillation Process through Quadratic Program Based Constrained Kalman Estimation Paradigm' Iranian Journal of Chemistry and Chemical Engineering, Vol. 42, Issue No. 01, pp.310-320, May 2023, ISSN 1021-9986(ESCI)
 21. Dr. Surya Prasada Rao Borra, Dr.M.V.Ganeswara Rao, Dr P.ravi kumar, . Dr.Srinu Pyla, Dr.**K. Vidya Sagar** DrA Geetha Devi, Koteswara Rao Kodepogu 'Unhealthy Plant Region Detection In Plant

- Leaves Using Adaptive Genetic Algorithms' Journal of Theoretical and Applied Information Technology, Vol.101. Issue No 8, pp.3133-3137, April 2023, 1992-8645(SCOPUS)
22. **Dr.Malleti.Sreedhar**, Dr.A.Bhujangarao 'Measurement of Creatinine clearance and its effect on renal system using BS-300' Journal of High Technology Letters, Volume 29, Issue 4, pp.257-266, April 2023, ISSN 1006-6748 (SCOPUS)
 23. **Srilaxmi Dasari**, Boo Poonguzhali, Manjula Sri Rayudu 'An efficient machine learning approach for classification of diabetic retinopathy stages' Indonesian Journal of Electrical Engineering and Computer Science, Volume 30, Issue. 01, pp. 81-88, April 2023, ISSN 2502-4752(SCOPUS)
 24. **P Sampurna Lakshmi**, S Sivagamasundari, Manjula Sri Rayudu b 'IoT based solar panel fault and maintenance detection using decision tree with light gradient boosting' Measurements:Sensors, Volume 27, March 2023, ISSN 2665-9174 (SCOPUS)
 25. Appari Geetha Devi, Surya Prasada Rao Borra , Thotakura Haritha, Venkata Subba Rao Mandava ,Tata Balaji, **Kalapala Vidya Sagar**, Koteswara Rao Kodepogu 'An Improved CHI2 Feature Selection Based a Two-Stage Prediction of Comorbid Cancer Patient Survivability' Revue d'Intelligence Artificielle, Vol. 37, Issue No. 1, pp.83-92, February, 2023, ISSN 0992-499X (SCOPUS)
 26. **Anita Kulkarni** & Dr. K Sridevi 'Improved Resource Scheduler using Kalman Filter in Wireless Communication' International Journal of Engineering Trends and Technology, Volume 71, Issue 2, pp.129-136, February 2023, ISSN 2231-5381(SCOPUS)
 27. Karna Vishnu Vardhana Reddy , Irraivan Elamvazuthi , Azrina Abd Aziz , Sivajothi Paramasivam , Hui Na Chua and **Satyamurthy Pranavanand** 'An Efficient Prediction System for Coronary Heart Disease Risk Using Selected Principal Components and Hyperparameter Optimization' Volume 13, Issue 01, pp. 01-28, Dec 2022, ISSN 2076-3417 (SCOPUS)
 28. Mala Raju, **Dr.M. Sreedhar** 'Switched-Capacitor voltage boost converter for electric and hybrid electric vehicle drives' Journal of Neuro Quantology, Volume 20, Issue 15, pp. 6677-6683, Dec 2022, ISSN 1303-5150(SCOPUS)
 29. Mohammed Sohail , **Naregalkar Akshay** 'IoT Enabled Industrial Process Monitoring System' Journal of Neuro Quantology, Volume 20, Issue 20, Page200-210, Dec 2022, ISSN 1303-5150 (SCOPUS)
 30. **S.Kaushik**, Rajasekhara Reddy B 'Classification of ECG Signals imparted in Machine Learning' Journal of Neuro Quantology, Volume 20, Issue 15, pp. 6670-6676, Dec 2022, ISSN 1303-5150, (SCOPUS)
 31. Beesa Shireesha, **Srilaxmi Dasari** 'Detection and Classification of Diabetic Retinopathy from fundus images using Machine Learning Techniques' Journal of Neuro Quantology, Volume 20, Issue 15, pp. 6544-6649, Dec 2022, ISSN 1303-5150 (SCOPUS)
 32. **Dr.K.Sudha Rani**, Aitha Vamshi Krishna 'Blood cell classification using smear images based on machine learning techniques' Journal of Neuro Quantology, Volume 20, Issue 15, pp. 6650-6660, Dec 2022, ISSN 1303-5150(SCOPUS)
 33. K.Srimeghana, **K.Vidyasagar** 'Prediction of Crop Yielding rate using machine learning algorithms' Journal of Neuro Quantology, Volume 20, Issue 15, pp. 6661-6669, Dec 2022, ISSN 1303-5150 (SCOPUS)

34. B.P. Santosh Kumar, Shafiulla Basha Shaik, **Harikrishna Mulam** 'High-performance compression-based brain tumor detection using lightweight optimal deep neural network' Journal of Advances in Engineering Software, Volume 173, November 2022, ISSN 0965-9978(SCIE)
35. Pampana, L.K., **Rayudu, M.S.** 'Multi-Class Classification of Retinal Abnormality using Machine Learning Algorithms' International Journal of Performability Engineering, Volume 18, Issue 11, pp. 826–832, Nov 2022, ISSN 0973-1318(SCOPUS)
36. Lakshmi Kala Pampana, **Manjula Sri Rayudu** 'Quantification of retinal artery-vein ratio for vascular disease diagnosis using spatial U-Net' Indonesian Journal of Electrical Engineering and Computer Science, Vol. 27, No. 3, pp. 1404-1411, September 2022, ISSN 2502-4752 (SCIE)
37. Lakshmi Kala Pampana, , **Manjula Sri Rayudu** 'Domain-specific trained model to auto grade AV Nicking severity level' Journal of Biomedical Signal Processing and Control, Volume 76, July 2022, ISSN 1746-8094 (SCIE)
38. B. P. Santosh Kumar A. Pullareddy Reddy D. Siva Syed Jahangir Badashah Shafulla Basha Shaik Sathishkumar Karupusamy **Harikrishna Mulam** 'A computer aided diagnosis framework for detection and classification of interstitial lung diseases using computed tomography (CT) images' Journal of Applied Nanoscience, Vol 12, pp.2533–2550, July 2022, ISSN 2190-5517 (SCIE)
39. N.V.S. Venugopal, B. Padmavathi , **D.Swetha** 'Olymeric nano formulation of a non-systemic dithiocarbonate pesticide: preparation, Characterization, and bioassay' Rasayan Journal of chemistry, Volume. 15, Issue No. 03, pp. 1834-1839, July 2022, ISSN 0974-1496(SCOPUS)
40. **S. Vandana**, T. Madhavi 'Conceptual Modelling of Narrow Band Communication System for Interference Free Channel Allocation' International Journal of Engineering Trends and Technology, Volume 70 Issue 7, pp.329-338, July 2022, ISSN 2231 – 5381 (SCOPUS)
41. **Balla Goutam**, Mohammad Farukh Hashmi, Zong Woo Geem Neeraj Dhanraj Bokde 'A Comprehensive Review of Deep Learning Strategies in Retinal Disease Diagnosis Using Fundus Images' IEEE Access, Volume 10, PP. 57796 – 57823, May 2022, ISSN 2169-3536(SCIE)
42. **Akshay kumar Naregalkar &** Subbulekshmi D 'Least Square Support Vector Machines Laguerre Hammerstein Model Identification and Non-linear Model Predictive Controller Design for pH Neutralization Process' Gazi University Journal of Science, Volume 36, Issue 01, pp.80-94, April 2022, ISSN 2147-1762 (SCIE)
43. Parasa Sushma Devi, Dasari Ravi Kumar, **Kiran Chakravarthula** 'Reliability improvement and loss reduction in radial distribution system with network reconfiguration algorithms using loss sensitivity factor' International Journal of Electrical and Computer Engineering, Vol. 12, No. 2, April 2022, pp. 1199-1210, Feb2022, ISSN 2088-8708(SCOPUS)
44. **S.Vandana**, Dr.T.Madhavi 'Implementation of opinion trust algorithm for secure data transmission in wanets' -Indian Journal of Computer science and Engineering, Volume 12 Issue 05, pp.1459-1469, October 2021, ISSN: 0976-5166 (SCOPUS)
45. Karna Vishnu Vardhana Reddy , Irraivan Elamvazuthi ,*, Azrina Abd Aziz , Sivajothi Paramasivam , Hui Na Chua and **S. Pranavanand** 'Heart Disease Risk Prediction Using Machine Learning

- Classifiers with Attribute Evaluators' Journal of Applied Science, Volume 11, Issue 18, pp.1-22, September 2021, ISSN: 2076-3417(SCOPUS)
46. Paidipala Surender, **Rajasekhara Reddy Boggula**, "Model predictive control of power converters" Turkish Online Journal of Qualitative Inquiry (TOJQI), Volume 12, Issue 5, July 2021 pp.4555 – 4565, ISSN 1309-6591 (SCOPUS)
 47. Syed Abdul Samad, **Senthil Kumar Selvaraj**, "Adaptive Control Based Electric Furnace Temperature Control Using Simulink" Turkish Online Journal of Qualitative Inquiry (TOJQI), Volume 12, Issue 3, July 2021, pp.4555 – 4565, ISSN 1309-6591(SCOPUS)
 48. **Akshay kumar Naregalkar** and Subbulekshmi Durairaj 'A novel LSSVM-L Hammerstein model structure for system identification and nonlinear model predictive control of CSTR servo and regulatory control' Journal of Chemical Product and Process Modelling, July 2021, ISSN: 1934-2659 (ESCI)
 49. Lakshmi Kala Pampana, **Manjula Sri Rayudu**, "Detection and classification of multi-scale retinal junctions using region-based CNN" Journal of Signal, Image and Video Processing, Springer, Volume 15, Issue 05, pp.01-08, ISSN 1863-1711 (SCIE)
 50. N.L.N.Vishnu Vardhan Acharya, **Dr.K.Sudha Rani**, 'Modern Health Monitoring And Analysis Using IoT Technology' Turkish Online Journal of Qualitative Inquiry, Vol. 12 No. 3, pp.4961–4972, June 2021, ISSN 1309-6591(SCOPUS)
 51. **Dr.K.Vidyasagar**, Dr.A.Bhujangarao, Mr.k.Vijayachandra, Mr.B.Goutam, 'Finite Element Analysis of Carbon Nanotube Structured Badminton Racket' Journal of Computational and Theoretical Nanoscience, Volume 17, issue 11, ISSN 1546-1955(SCOPUS)
 52. **Dr. R.ManjulaSri**, Srujana P, **D Srilaxmi**, "Prediction of NPDR using machine learning techniques" Journal of computational and theoretical nano sciences, Vol.17, Issue 9/10, pp. 4219-4222, ISSN 1546-1955 (SCOPUS)
 53. **Harikrishna Mulam**, Dr. Malini Mudigonda "Empirical mean curve decomposition with multiwavelet transformation for eye movements recognition using electrooculogram signals" Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, , Volume : 234 Issue 08, pp:794-811, ISSN: 2041-3033(SCOPUS)
 54. Mohammed Arshad Ali Khan, **Rajasekhara Reddy B** "Model Predictive Control using Laguerre Filters" Journal of Seybold Report, Volume 15, Issue 07, pp.1575-1580, July 2020, ISSN 1533-9211. (SCOPUS)
 55. Syed Abdul Samad, **Senthilkumar S** "Analysis and Implementation of DCS System in Bottle Filling Plant Using MATLAB" Journal of Engineering Sciences, Volume 11, Issue 07, pp.617-622, July 2020, ISSN 0377-9254 (SCOPUS)
 56. **K.Vijay Chandra** and Prof.Bhaskar mohan murari "Confocal corneal endothelium dystrophy's Analysis using particle filter" Journal of Engineering Science and Technology, Volume 15, Issue No.2, 1338-1356, April 2020, ISSN No. 1823-4690(ESCI)

57. N. Kavitha, Sai Sundara Amulya Ganti, **K. Sudha Rani**, K. Mani Kumari, B. Bhagya Sree "Texture Characterization and Classification to Detect Brain Tumor" International Journal of Innovative Technology and Exploring Engineering, Volume-9 Issue-5, March 2020, ISSN: 2278-3075 (SCOPUS)
58. **Harikrishna Mulam**, Malini Mudigonda "Optimised multi-wavelet domain for decomposed electrooculogram-based eye movement classification" Journal of image processing (The Institution of Engineering and Technology) Volume 14, Issue 09, March 2020, Online ISSN 1751-9667, Print ISSN 1751-9659(SCOPUS)
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60. **S.Vandana**, Dr.T.Madhavi "Routing Methodology for Secure Transmission of data in Physical Layer" International Journal of Innovative Technology and Exploring Engineering, Volume-9 Issue-2, Pg:3144 to 3148, December 2019, ISSN: 2278-3075(SCOPUS)
61. **Nageshwar V**, Y.Padmasai, Dr.K.Subba Rao "Epilepsy detection in EEG using firefly based feature selection and random forest classifier" International Journal of Control and Automation, Volume-12.No.-5(2019), Page no.314-326, Nov 2019, ISSN: 2005-4297 (SCOPUS)
62. **Nageshwar V**, Y.Padmasai, Dr.K.Subba Rao "Epileptic seizure detection using orthogonal local preserving projection and k-nearest neighbours classifier" International Journal of Control and Automation, Volume-12.No.-5(2019), Page no.299-313, Nov 2019, ISSN: 2005-4297(SCOPUS)
63. **Dr.K.Sudhrani**, K.Manikumar, Ganti Amulya, Eswar pothineni, velagapudi pavani, P.Susvitha Reddy "Leg bone fracture segmentation and detection using advanced morphological techniques" International Journal of Recent Technology and Engineering, Volume-8, Issue-2S3, July 2019, ISSN: 2277-3878(SCOPUS)

Conference Publications

1. **S.Vandana**, Aneesha Dacha, N.Gaurav Srinivas, J.Sai Tarun 'Smart Industrial Load Switching' 5th International Conference of Emerging Technology (INCET 2024), 24th to 26th May 2024
2. **P Sampurna Lakshmi**, S.Sivagama Sundari, R.Manjula Sri 'Solar Panel fault analysis using regression models' 4th International Conference on Artificial Intelligence and smart energy (ICAIS 2024), 22nd & 23rd March 2024
3. **D.Swetha**, Harshita Sayala , Gudipati Sanjana Reddy, Pathapelly Jahnvi 'Smart Refrigeration Management System Using Internet Of Things(IoT)' 4th International Conference on Smart Data Intelligence (ICSMDI 2024), Feb 2nd & 3rd 2024
4. **P Sampurna Lakshmi**, Manjula Sri Rayudu, K.Bapuji 'IoT based Fault Detection in Dusty Solar Panels using Modified DenseNet121' 4th Fifteenth International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2024), 11th-12th, January 2024(SCOPUS)
5. Sunkapaka Soumya, **V.Nageshwar**, 'Sentiment Analysis Using Telugu Sentiwordnet' 2nd International Conference on Futuristic Technologies (INCOFT), 24th - 26th Nov, 2023(SCOPUS)
6. **G Vamsi Krishna**, Padakanti Sai Vivek, Gunnala Sowmya, Narukulla Dedeepya Krishna 'Bird Species Identification Using Speech Recognition' 2nd International Conference on Futuristic Technologies (INCOFT), 24th - 26th Nov, 2023(SCOPUS)
7. **A Adithya** , K Ajay , R. Ranganayakulu , K. Anand Kishore , A Seshagiri Rao2, G Uday Bhaskar Babu 'Maximum Sensitivity Based Fractional Filter IMC-PID Controller for SOPTD Processes in Smith Predictor Configuration' 3rd International Conference on New Frontiers in chemical, Energy and Environmental Engineering (INCEEE 2023) 24-25 Nov 2023, ISBN 978-81-963099-0-9(SCOPUS)
8. **B. Rajasekhara Reddy**, S. Pranvanand, Naregalkar Akshay 'Intelligent Control System for Solar Power Complementing with Grid Power' International Conference on sustainable communication networks and application (ICSCNA 2023), 15th to 17th Nov 2023, ISBN 979-8-3503-1397-0 (SCOPUS)
9. **Srilaxmi Dasari**, Boo. Poonguzhali, Manjula Sri Rayudu 'Transfer learning approach for classification of diabetic retinopathy using fine-tuned ResNet50 deep learning model' International Conference on sustainable communication networks and application (ICSCNA 2023), 15th to 17th Nov 2023, ISBN 979-8-3503-1397-0(SCOPUS)
10. **Dr. Manjula Sri Rayudu**, Ms. Lakshmi Kala Pampana, Ms. Shalini Myneni, Ms. Sruthi Kalavari, 'Rice Grain Classification for Agricultural Products Marketing-A Deep Learning Approach-First International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECI), 19th-20th October 2023, ISBN 979-8-3503-4279-6(SCOPUS)
11. **K.Vijay Chandra**, K.Sudha rani, Palak singh, C.V.Rambabu, K.Vidya sagar, Poornaiah Billa 'Artificial Intelligence Techniques to Revolutionize the Marketing Strategies for Enormous Business Expansion' First International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECI), 19th-20th October 2023, ISBN 979-8-3503-4279-6(SCOPUS)
12. **Dr. Manjula Sri Rayudu**, Ms. Lakshmi Kala Pampana, Ms. Shalini Myneni, Ms. Sruthi Kalavari, Mr. Raghupathi Reddy Madapa 'An Automatic Rice Grain Classification for Agricultural Products Marketing' 4th International e-Conference on Advances in Computer Engineering and Communication System (ICACECS'23), 22nd & 23rd Sep 2023, ISBN 978-94-6463-314-6_21(Book Chapter)

13. **Nageshwar V.**, P. Venkateswara Rao, C. Sarika, K. Manusha, Y. Deepthi 'Detection of Epileptic Seizures from Logistic Model trees' 4th International e-Conference on Advances in Computer Engineering and Communication System (ICACECS'23), 22nd & 23rd Sep 2023, ISBN 978-94-6463-314-6_36(Book Chapter)
14. **Nagarjuna S. Chary**, N. Vinoth, Kiran Chakravarthula, 'Intelligent Retrieval Algorithm using Electronic Health Records for Healthcare' Taylor & Francis, Sep 2023, ISBN 9781003438816(Book Chapter)
15. Lasya Nayani Bhatta, Sai Manoj Bhatta , **Naregalkar Akshay** 'Respiratory Analysis –Detection of Various Lung diseases using Audio Signals' 8th IEEE International Conference on Advanced Computing and Communication Systems (ICACCS), 26th March 2022, ISBN 978-1-6654-0817-2(SCOPUS)
16. **Nageshwar V.**, Sai Charan Reddy, N.Rahul sai, K.Narendra 'Seizure and Drowsiness Detection Using ICA and ANN' 4th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV 2022), 10th & 11th Feb 2022, ISBN 978-981-19-1843-8 (SCOPUS)
17. Karna Vishnu Vardhana Reddy , Irraivan Elamvazuthi * , Azrina Abd Aziz , Sivajothi Paramasivam , Hui Na Chua and **S. Pranavanand** 'Prediction of Heart Disease Risk using Machine learning with Correlation-based Feature Selection and Optimization Techniques' 7th International Conference on Signal processing and communication, 25th – 27th Nov 2021, ISBN 978-1-6654-2740-1(SCOPUS)
18. Ms.Lakshmikala, **Dr.R.Manjula Sri** 'Retinal Vascular network segmentation using concatenated CNN architecture' 3rd IEEE International Conference on Smart Generation Computing Communication and Networking (SMARTGEN 2021), 29th -30th October 2021, ISBN 978-1-6654-2503-2(SCOPUS)
19. Md Shoaib, Greeshma Netrika, Sriharsha, Lakshmi Kala, **R Manjula Sri** 'TensorFlow object detection model for retinal vascular junction extraction' 2nd Global Conference for Advancement in Technology, 1st& 2nd October 2021, ISBN 978-1-6654-1836-2(SCOPUS)
20. Yagna Sai Kalyan, Shashank Rao, Satyanarayana Teja, Lakshmikala, **R.Manjula Sri** 'Deep Learning Methods for the assessment of vascular diameters for diabetic retinopathy screening' 2nd Global Conference for Advancement in Technology, 1st& 2nd October 2021, ISBN 978-1-6654-1836-2(SCOPUS)
21. **Kiran Chakravarthula**, Tejas S Shah, Divya Pathak, " Non-invasive Measurement of Blood Sugar using Near-Infrared Spectroscopy" 5th International Conference on Smart Computing and Informatics (SCI-2021) - Springer, 17th –18th September, 2021, ISBN 978-1-4673-6778-3(SCOPUS)
22. Spandana Paramkusam, Jyothirmaye Tottempudi, **Manjula Sri Rayudu**, "Breast Masses classification using contour shape descriptors based on Beam Angle Statistics" 3rd IEEE International Conference on Inventive Research in Computing Applications, 2nd -3rd September 2021, ISBN 978-1-6654-3877-3(SCOPUS)
23. Spandana Paramkusham, **Dr.Manjula Sri Rayudu**, Puja S. Prasad, "A Compact Shape Descriptor Using Empirical Mode Decomposition to Detect Malignancy in Breast Tumour" Communications in Computer and Information Science, Volume 1367, 2021, Pages 66-74(SCOPUS)
24. **Rajasekhara Reddy B.**, K. Tulasi Ram, Naregalkar Akshay, S. Pranavanand "Optimization based internal model control design" 1st Virtual International Conference on Computational Research and Data Analytics (ICCRDA-2020), 24th October 2020, Turkey and College of Engineering, Roorkee. (SCOPUS)

25. Lakshmi Kala Pampana, **Dr.R.ManjulaSri**, "A Review: Prediction of Multiple Adverse Health Conditions from Retinal Images" Virtual IEEE Bangalore Humanitarian Technology Conference 2020, 8th -10th October 2020, Bangalore (SCOPUS)